

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Vincent Hool, et al.

Attorney Docket No.:  
ALTRP099/A1197

Application No.: Please assign

Examiner: Please assign

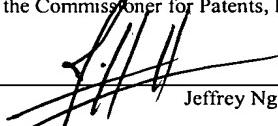
Filed: Herewith

Group: Please assign

Title: MODULATED FLIP CHIP SUBSTRATE  
DESIGN

**CERTIFICATE OF EXPRESS MAILING**

I hereby certify that this paper and the documents and/or fees referred to as attached therein are being deposited with the United States Postal Service on February 19, 2004 in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR §1.10, Mailing Label Number **EV334019185US** addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signed: 

Jeffrey Ng

**INFORMATION DISCLOSURE STATEMENT**  
**37 CFR §§1.56 AND 1.97(b)**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The references listed in the attached PTO Form 1449, copies of which are attached, may be material to examination of the above-identified patent application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is: (i) filed within three (3) months of the filing date of the above-referenced application, (ii) believed to be filed before the mailing date of a first Office Action on the merits, or (iii) believed to be filed before the mailing of a first Office Action after the filing of a Request for Continued Examination under §1.114. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure

Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 500388 (Order No. ALTRP099)

Respectfully submitted,  
BEYER WEAVER & THOMAS, LLP

A handwritten signature in black ink, appearing to read "Desmund Gean".

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|   |  |  |  |                                   |                         |            |
|---|--|--|--|-----------------------------------|-------------------------|------------|
| <b>Form 1449 (Modified)</b>   |  |  |  | Atty Docket No.<br>ALTRP099/A1197 | Application No.:<br>NEW |            |
| <b>Information Disclosure<br/>Statement By Applicant</b><br><br>(Use Several Sheets if Necessary) |  |  |  | Applicant:<br>Hool, et al.        |                         |            |
|   |  |  |  | Filing Date<br>HEREWITH           | Group                   | UNASSIGNED |

### U.S. Patent Documents

| Examiner Initial | No. | Patent No. | Date | Patentee | Class | Sub-class | Filing Date |
|------------------|-----|------------|------|----------|-------|-----------|-------------|
|                  | A1  |            |      |          |       |           |             |
|                  | A2  |            |      |          |       |           |             |
|                  | A3  |            |      |          |       |           |             |

### Foreign Patent or Published Foreign Patent Application

| Examiner Initial | No. | Document No. | Publication Date | Country or Patent Office | Class | Sub-class | Translation |    |
|------------------|-----|--------------|------------------|--------------------------|-------|-----------|-------------|----|
|                  |     |              |                  |                          |       |           | Yes         | No |
|                  | B1  |              |                  |                          |       |           |             |    |
|                  | B2  |              |                  |                          |       |           |             |    |

### Other Documents

|                  |     |   |                 |  |  |  |  |
|------------------|-----|---|-----------------|--|--|--|--|
| Examiner Initial | No. | Author, Title, Date, Place (e.g. Journal) of Publication  |                 |  |  |  |  |
|                  | C1  | Zuken Be First, "Hot-Stage 4.1", <a href="http://www.zuken.com">www.zuken.com</a>   |                 |  |  |  |  |
|                  | C2  | Cadence, "PCB Design Studio, Cadence PCB Design Tools and the Latest Technology at a Breakthrough Price", 2003 Cadence Design Systems, Inc., <a href="http://www.cadence.com">www.cadence.com</a> |                 |  |  |  |  |
|                  | C3  | Cadence, "PCB Design Expert, High-Speed, Constraint-Driven PCB Design", 2003 Cadence Design Systems, Inc., <a href="http://www.cadence.com">www.cadence.com</a>                                   |                 |  |  |  |  |
|                  | C4  | Mentor Graphics, "Destiny RE for Cadence Allegro", 2003 Mentor Graphics Corporation   |                 |  |  |  |  |
| Examiner         |     |   | Date Considered |  |  |  |  |

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.